

MERAMEC RIVER BASIN

07014000 HUIZZAH CREEK NEAR STEELVILLE, MO
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°58'29", long 91°12'16", in SE 1/4 SW 1/4 sec.25, T.38 N., R.3 W., Crawford County, Hydrologic Unit 07140102. From Steelville take Highway 8 east for about 9 mi.

DRAINAGE AREA.--259 mi².

PERIOD OF RECORD.--November 1993 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

| DATE | TIME | DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061) | TEMPERATURE WATER (DEG C) (00010) | SPECIFIC CONDUCTANCE (µS/cm) (00095) | PH WATER WHOLE FIELD (STANDARD UNITS) (00400) | OXYGEN, DIS-SOLVED (mg/L) (00300) | OXYGEN, DEMAND, (PER-CENT SATURATION) (mg/L) (00301) | OXYGEN, DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340) | COLIFORM, FECA, µm-MF (COLS./100 mL) (31625) | STREPTOCOCCI, FECA, KF AGAR (COLS./100 mL) (31673) | ALKALINITY WAT WH TOT FET FIELD (mg/L as CaCO ₃) (00410) |
|----------|------|---|-----------------------------------|--------------------------------------|---|-----------------------------------|--|--|--|--|--|
| NOV 1996 | | | | | | | | | | | |
| 12... | 1130 | 239 | 9.0 | 308 | 7.92 | 10.5 | 89 | -- | 47 | 82 | 151 |
| JAN 1997 | | | | | | | | | | | |
| 29... | 1215 | 576 | 2.0 | 264 | 7.94 | 13.6 | 98 | 11 | K11 | 30 | 154 |
| MAR | | | | | | | | | | | |
| 10... | 1250 | 330 | 10.0 | 291 | 7.69 | 11.5 | 102 | -- | K5 | K12 | 154 |
| APR | | | | | | | | | | | |
| 01... | 1020 | 200 | 11.5 | 321 | 7.88 | 12.2 | 110 | -- | K5 | K4 | 164 |
| JUN | | | | | | | | | | | |
| 19... | 1130 | 310 | 20.5 | 317 | 7.87 | 8.2 | 90 | 11 | 49 | 69 | 151 |
| AUG | | | | | | | | | | | |
| 19... | 1330 | 274 | 22.5 | 340 | 7.94 | 7.9 | 90 | -- | 300 | 480 | 162 |

| DATE | BICARBONATE WATER WH IT FIELD (mg/L as HCO ₃) (00450) | CARBONATE WATER WH IT FIELD (mg/L as CO ₃) (00447) | NITROGEN, NO ₂ +NO ₃ TOTAL (mg/L as N) (00630) | NITROGEN, NITRITE TOTAL (mg/L as N) (00615) | NITROGEN, AMMONIA TOTAL (mg/L as N) (00610) | NITROGEN, AMMONIA + ORGANIC TOTAL (mg/L as N) (00625) | PHOSPHORUS TOTAL (mg/L as P) (00665) | PHOSPHORUS ORTHO TOTAL (mg/L as P) (70507) | HARDNESS TOTAL (mg/L as CaCO ₃) (00900) | CALCIUM DIS-SOLVED (mg/L as Ca) (00915) |
|----------|---|--|--|---|---|---|--------------------------------------|--|---|---|
| NOV 1996 | | | | | | | | | | |
| 12... | 185 | 0 | 0.370 | <0.010 | 0.020 | <0.20 | <0.020 | <0.010 | -- | -- |
| JAN 1997 | | | | | | | | | | |
| 29... | 186 | 0 | 0.230 | <0.010 | <0.010 | <0.20 | <0.020 | <0.010 | 140 | 30 |
| MAR | | | | | | | | | | |
| 10... | 189 | 0 | 0.230 | <0.010 | <0.010 | <0.20 | 0.030 | 0.010 | -- | -- |
| APR | | | | | | | | | | |
| 01... | 204 | 0 | 0.070 | <0.010 | <0.010 | <0.20 | <0.020 | <0.010 | -- | -- |
| JUN | | | | | | | | | | |
| 19... | 203 | 0 | 0.120 | <0.010 | 0.010 | <0.20 | <0.020 | <0.010 | 150 | 32 |
| AUG | | | | | | | | | | |
| 19... | 198 | 0 | 0.260 | <0.010 | 0.020 | <0.20 | <0.020 | 0.020 | -- | -- |

| DATE | MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925) | SODIUM, DIS-SOLVED (mg/L as Na) (00930) | POTASSIUM, DIS-SOLVED (mg/L as K) (00935) | SULFATE DIS-SOLVED (mg/L as SO ₄) (00945) | CHLORIDE, DIS-SOLVED (mg/L as Cl) (00940) | FLUORIDE, DIS-SOLVED (mg/L as F) (00950) | SOLIDS, RESIDUE AT 180 DEG. C (mg/L) (70300) | RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530) | ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105) | ALUMINUM, DIS-SOLVED (µg/L as Al) (01106) |
|----------|--|---|---|---|---|--|--|--|--|---|
| JAN 1997 | | | | | | | | | | |
| 29... | 17 | 3.1 | 0.80 | 11 | 2.5 | <0.10 | 162 | 1 | 70 | 4.7 |
| JUN | | | | | | | | | | |
| 19... | 18 | 2.2 | 0.90 | 6.9 | 2.2 | <0.10 | 158 | 2 | 50 | 13 |

| DATE | CADMIUM TOTAL RECOVERABLE (µg/L as Cd) (01027) | CADMIUM DIS-SOLVED (µg/L as Cd) (01025) | COPPER, DIS-SOLVED (µg/L as Cu) (01040) | IRON, DIS-SOLVED (µg/L as Fe) (01046) | LEAD, TOTAL RECOVERABLE (µg/L as Pb) (01051) | LEAD, DIS-SOLVED (µg/L as Pb) (01049) | MANGANESE, DIS-SOLVED (µg/L as Mn) (01056) | MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900) | ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092) | ZINC, DIS-SOLVED (µg/L as Zn) (01090) |
|----------|--|---|---|---------------------------------------|--|---------------------------------------|--|--|--|---------------------------------------|
| JAN 1997 | | | | | | | | | | |
| 29... | <1 | <1.0 | <1.0 | 5.0 | <1 | <1.0 | 1.1 | <0.10 | 2 | <1.0 |
| JUN | | | | | | | | | | |
| 19... | <1 | <1.0 | <1.0 | 10 | <1 | <1.0 | 5.0 | <0.10 | 1 | <1.0 |

K--Results based on colony count outside the acceptable range (non-ideal colony count).